

## DISPATCH CALL ORIGINATION AND SET UP IN A CDMA MOBILE COMMUNICATION SYSTEM

### 5        **Abstract Of The Disclosure**

10        In a CDMA wireless communication system (200) a dispatch call can be established between  
two CDMA mobile stations (202, 226), or between other mobile stations and the CDMA mobile  
station, or between a CDMA mobile station and a computer(236) located outside of the wireless  
system. To reduce the delay normally association with call set up in a CDMA system, a dispatch  
15        processing network (128, 144) is provided in addition to a telephony switch (118). Dispatch calls  
and call set up requests are routed to the dispatch processing network from the radio access network  
(110) which includes base stations (204, 206). Once a dispatch call request is made, while the  
dispatch processing network begins setting up a traffic channel for the originating mobile  
communication device, the target is also paged, and upon responding, set up on a traffic channel.  
The concurrence of establishing radio links with the target and originating communication devices  
substantially reduces dispatch call set up time.